

SEQUENCE LISTING

<110> BOUGERET, CECILE
 ZARZOV, PATRICK
 BRIAND, JEAN-FRANCOIS
 THOMAS, DOMINIQUE

<120> METHOD FOR SCREENING AGENTS MODULATING I-KAPPA B-ALPHA
 PROTEIN UBIQUITINATION AND MEANS FOR CARRYING OUT SAID
 METHOD

<130> 0510-1149

<140> 10/592,944

<141> 2006-09-15

<150> PCT/FR05/050165

<151> 2005-03-15

<150> FR 04 50528

<151> 2004-03-16

<160> 26

<170> PatentIn Ver. 3.3

<210> 1

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
 construct

<400> 1

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<210> 2

<211> 572

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic construct

<400> 2

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Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly Glu
          20          25          30

Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile Cys
          35          40          45

Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr Phe
          50          55          60

Gly Tyr Gly Val Gln Cys Phe Ala Arg Tyr Pro Asp His Met Lys Gln
          65          70          75          80

His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu Arg
          85          90          95

Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu Val
          100          105          110

Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly Ile
          115          120          125

Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr Asn
          130          135          140

Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly
          145          150          155          160

Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser Val
          165          170          175

Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly Pro
          180          185          190

Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu Ser
          195          200          205

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Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe Val
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 Thr Ala Ala Gly Ile Thr His Gly Met Asp Glu Leu Tyr Lys Leu Gln
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 Ser Pro Pro Pro Lys Lys Lys Arg Lys Val Glu Leu Gly Gly Ser Met
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 Phe Gln Ala Ala Glu Arg Pro Gln Glu Trp Ala Met Glu Gly Pro Arg
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 Asp Gly Leu Lys Lys Glu Arg Leu Leu Asp Asp Arg His Asp Ser Gly
 275 280 285
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 Gln Glu Ile Arg Leu Glu Pro Gln Glu Val Pro Arg Gly Ser Glu Pro
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 Val Leu Thr Gln Ser Cys Thr Thr Pro His Leu His Ser Ile Leu Lys
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Trp Gly Arg Pro Ser Thr Arg Ile Gln Gln Gln Leu Gly Gln Leu Thr
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<211> 2583

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 construct

<400> 3

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic construct

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      20          25          30

Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile Cys
      35          40          45

Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr Phe
      50          55          60

Gly Tyr Gly Val Gln Cys Phe Ala Arg Tyr Pro Asp His Met Lys Gln
      65          70          75          80

His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu Arg
      85          90          95

Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu Val
      100          105          110

Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly Ile
      115          120          125

Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr Asn
      130          135          140

Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly
      145          150          155          160

Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser Val
      165          170          175

Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly Pro
      180          185          190

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Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu Ser
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 Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe Val
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 Thr Ala Ala Gly Ile Thr His Gly Met Asp Glu Leu Tyr Lys Leu Gln
 225 230 235 240
 Ser Pro Pro Pro Lys Lys Lys Arg Lys Val Glu Leu Gly Gly Ser Met
 245 250 255
 Asp Pro Ala Glu Ala Val Leu Gln Glu Lys Ala Leu Lys Phe Met Cys
 260 265 270
 Ser Met Pro Arg Ser Leu Trp Leu Gly Cys Ser Ser Leu Ala Asp Ser
 275 280 285
 Met Pro Ser Leu Arg Cys Leu Tyr Asn Pro Gly Thr Gly Ala Leu Thr
 290 295 300
 Ala Phe Gln Asn Ser Ser Glu Arg Glu Asp Cys Asn Asn Gly Glu Pro
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 Pro Arg Lys Ile Ile Pro Glu Lys Asn Ser Leu Arg Gln Thr Tyr Asn
 325 330 335
 Ser Cys Ala Arg Leu Cys Leu Asn Gln Glu Thr Val Cys Leu Ala Ser
 340 345 350
 Thr Ala Met Lys Thr Glu Asn Cys Val Ala Lys Thr Lys Leu Ala Asn
 355 360 365
 Gly Thr Ser Ser Met Ile Val Pro Lys Gln Arg Lys Leu Ser Ala Ser
 370 375 380
 Tyr Glu Lys Glu Lys Glu Leu Cys Val Lys Tyr Phe Glu Gln Trp Ser
 385 390 395 400
 Glu Ser Asp Gln Val Glu Phe Val Glu His Leu Ile Ser Gln Met Cys
 405 410 415
 His Tyr Gln His Gly His Ile Asn Ser Tyr Leu Lys Pro Met Leu Gln
 420 425 430
 Arg Asp Phe Ile Thr Ala Leu Pro Ala Arg Gly Leu Asp His Ile Ala
 435 440 445
 Glu Asn Ile Leu Ser Tyr Leu Asp Ala Lys Ser Leu Cys Ala Ala Glu
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 465 470 475 480
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 485 490 495

Leu Ala Glu Arg Arg Gly Trp Gly Gln Tyr Leu Phe Lys Asn Lys Pro
 500 505 510
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 515 520 525
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 530 535 540
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 675 680 685
 Phe Asp Asp Lys Tyr Ile Val Ser Ala Ser Gly Asp Arg Thr Ile Lys
 690 695 700
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 Lys Arg Gly Ile Ala Cys Leu Gln Tyr Arg Asp Arg Leu Val Val Ser
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 Cys Leu Arg Val Leu Glu Gly His Glu Glu Leu Val Arg Cys Ile Arg
 755 760 765
 Phe Asp Asn Lys Arg Ile Val Ser Gly Ala Tyr Asp Gly Lys Ile Lys
 770 775 780
 Val Trp Asp Leu Val Ala Ala Leu Asp Pro Arg Ala Pro Ala Gly Thr
 785 790 795 800

Leu Cys Leu Arg Thr Leu Val Glu His Ser Gly Arg Val Phe Arg Leu
805 810 815

Gln Phe Asp Glu Phe Gln Ile Val Ser Ser Ser His Asp Asp Thr Ile
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Leu Ile Trp Asp Phe Leu Asn Asp Pro Ala Ala Gln Ala Glu Pro Pro
835 840 845

Arg Ser Pro Ser Arg Thr Tyr Thr Tyr Ile Ser Arg
850 855 860

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<212> DNA
<213> Simian virus 40

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21

<210> 6
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

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<210> 7
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<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
primer

<400> 7
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<210> 8
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 8
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<210> 9
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
primer

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<210> 10
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<223> Description of Artificial Sequence: Synthetic
primer

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<210> 11
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<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
primer

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<213> Artificial Sequence

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primer

<400> 12
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<210> 13
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<223> Description of Artificial Sequence: Synthetic
primer

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<210> 14
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<213> Artificial Sequence

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primer

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<210> 15
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primer

<400> 15
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33

<210> 16
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<223> Description of Artificial Sequence: Synthetic
primer

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<210> 17
<211> 9
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 17

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1 5

<210> 18

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 18

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<210> 19

<211> 23

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 19

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1 5 10 15Tyr Lys Asp Asp Asp Asp Lys
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<210> 20

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 20

Lys Arg Pro Ala Ala Thr Lys Lys Ala Gly Gln Ala Lys Lys Lys Lys
1 5 10 15

<210> 21

<211> 13

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 21

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1 5 10

<210> 22

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

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Leu Asp Thr

<210> 23

<211> 74

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

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Met Lys Leu Leu Ser Ser Ile Glu Gln Ala Cys Asp Ile Cys Arg Leu
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Lys Lys Leu Lys Cys Ser Lys Glu Lys Pro Lys Cys Ala Lys Cys Leu
20 25 30

Lys Asn Asn Trp Glu Cys Arg Tyr Ser Pro Lys Thr Lys Arg Ser Pro
35 40 45

Leu Thr Arg Ala His Leu Thr Glu Val Glu Ser Arg Leu Glu Arg Leu
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Glu Gln Leu Phe Leu Leu Ile Phe Pro Arg
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<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 24

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5

<210> 25

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic primer

<400> 25

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<210> 26

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic primer

<400> 26

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